

## ABSTRACT OF THE DISCLOSURE

An equipment inspecting and evaluating system can be used to inspect and evaluate steam traps by detecting a level of vibrations of each trap and the surface temperature of the housing of that trap. The detected vibration level and temperature are used to determine whether or not steam is leaking through that trap and to what extent steam leakage is. An equipment management system is connected to the inspection and evaluation system by a data transmission cable and receives inspection data of the traps from the inspection and evaluation system. The management system analyzes the received inspection data for computing the number of defective traps, the ratio of defective traps to the entire traps, the loss caused by steam leakage, etc.